

CERES Systems Engineering Committee

Members: Maria Mitchum, NASA
Sandy Nolan, SAIC
Jill Travers, DAAC
Sue Sorlie, DAAC
Vertley Hopson, DAAC

Charter: Serve as a forum for resolving issues which affect more than one working group. Report to CERES Data Management Team

May 11, 2000 9:30 am

Maria met with John Olson, Charlie Welch, Chris Harris, Steve Robins, Kathleen Morris, and Dean Densmore from the LaTIS DAAC, Carol Tolson, John Robbins and Beth Flug from SAIC, Jim Kibler, Calvin Mackey and Kay Costulis from NASA. The main purpose of the meeting was to discuss the storage and retrieval of CERES Documents, particularly those used in Web applications. There are three Web sites that have been established through the years to display CERES data and CERES Documents. These three Web sites are on 3 unique servers yet the various applications require access to some of the same documents. A more serious concern is that the CERES documents are NOT, at this time, under Configuration Management (CM) and are NOT being archived in a central 'controlled' location.

To get the meeting started, Calvin presented a DAAC/AtSC-SCF/SAIC Server Configuration diagram, which I will attach to these minutes. This diagram (worth a thousand words) shows the hardware and linkage between the three sites. Calvin discussed several improvements that will be made in the near future. Jim Kibler stressed the need for a 'direct line' to tabitha, the Archive's front-end server and a 'direct line' to samantha from thunder/lightning. Calvin and Chris Harris will look into this.

SAIC had been tasked several months ago to enhance the Software Configuration Management System Web application to include Documentation. This work is near completion and will be reviewed by Maria. This Web application will include a Documentation Configuration Change Request (DCCR) form that all users must fill out, get approved by the Configuration Review Board, in order to make changes to any document that is in the repository. At the present time the CM system, CVS, resides on SCF lightning server and the Web application resides on the SAIC lposun server.

After much discussion the following changes will be made and policies will be established:

- The SCF cirrus server will be modified to include access to the DAAC Archives and /ceres-QA servers.
 - All SAIC Web applications will be moved to the SCF cirrus server. (Ultimately, the Web applications must reside on computers owned by the government.)
- [Some concerns aired after the meeting:
1. Off-site developers want to be assured of cirrus SA support.
 2. Security of Web pages inside firewall verses cirrus access to the public.

3. Are resources {disk, memory, software} available on cirrus vs. lposun?
 4. Do we need a separate “development” Web site vs. cirrus?]
- **The CERES Description Pages and the CERES Quality Summaries will remain the responsibility of the DAAC. This means that when modifications must be made to either of these sets of documents, the original document must be requested from the DAAC. Note here that Jim Kibler stressed that most modifications made to these two sets of documents are written by Scientists and the DAAC augments with their pertinent DAAC information. Once the final document is assembled, there should be a review board to approve them before they are posted back on the Web. The DAAC agreed. Kay Costulis brought up the concern that the Scientist Team and Data Management Team contributions to these two sets of documents should be stored in the CERES CM system. This will be done.**
 - **All other CERES documents will be considered the responsibility of CERES, thus the CM system will be used for storage and retrieval of the original documents. Those documents that are considered as deliverables to the DAAC, such as ATBDs, DPC, Collection Guides, etc. will be delivered to the DAAC in PDF format.**
 - **All Web applications will be modified to point to the PDF version of a document located at the DAAC site.**
 - Jim Kibler expressed concern that the DAAC and CERES should take another look at the CERES deliverables as listed in the Science Software Integration and Test (SSI&T) Procedures Document to determine if the required list is up-to-date. He also noted that some documents should not be made available for ‘public’ consumption for example ‘Test Plans’ and ‘Operator’s Manuals’.
 - John Olson was asked to make a list of all of the deliverables required for a ‘science-view’ product and a list for a ‘public-view’ product.
 - **John Olson was informed that CERES should include the Data Products Catalog Product pages for each flavor of a product. For example SSF: each SSF-flavor {by Production Strategy and/or SamplingStrategy and/or Configuration Code} should have the corresponding SSF’s DPC pages included in the ‘ReadMe’ package that are delivered to User’s Support.**

Maria will ask Charlie to help design a document numbering schema for CERES documents.

Chris Harris expressed concern that during reprocessing events, the /QA partition is not adequate to house all of the requested files; this disrupts the production process. Maria will get together with Chris to determine a solution before the next reprocessing request.

Meeting adjourned at 10:45 am mvm

DAAC/AtSC SCF/SAIC Proposed Network Configuration

